

Material Safety Data Sheet



Section 1: PRODUCT AND COMPANY IDENTIFICATION

Vi-Jon Incorporated
8515 Page Avenue
Saint Louis, MO 63114

Phone: 314-427-1000
In Case of Spill Emergency Contact:
Chemtrec: 1-800-424-9300

Product Name: First Aid Antiseptic/Pain Relieving Spray
Product Code: 851
Product Use: Antiseptic
Issue Date: 12/05/2008
Supersedes Date: None

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Keep out of reach of children.
Appearance/Odor: Clear, colorless, fragrance free, liquid.

Potential Health Effects: See Section 11 for more information.

Symptoms of Exposure:

Inhalation: Low hazard. Mist may cause irritation of the respiratory tract.
Ingestion: Ingestion of large amounts may cause nausea, vomiting and diarrhea.
Eyes: May cause irritation to the eyes.
Skin: None expected.

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: See Section 12 for more information.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	% by Wt.
Propylene Glycol	57-55-6	1-20%

Section 4: FIRST AID MEASURES

Emergency first aid procedures by route of exposure:

- Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion:** Do not induce vomiting. If the material is swallowed, get medical attention or advice.
- Skin:** If irritation is experienced, wash with soap and water. If irritation persists, get medical attention.
- Eyes:** Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

Section 5: FIRE FIGHTING MEASURES

Flash Point (Propylene Glycol): 99°C

Method Used: Not Available

Auto Ignition: (Propylene Glycol) 371°C

Flammability Classification: Not Available

Extinguishing Media: Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or appropriate foam.

Products of Combustion: Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

Fire Fighting Equipment/Instructions: Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self contained breathing apparatus.

NFPA Rating (estimated): Health:0 Fire: 0 Reactivity:0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: For large spills wear gloves, safety glasses and when levels exceed OSHA PEL use appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Environmental Precautions: Prevent discharge to open waters.

Method for Containment: Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.

Methods for Clean-Up: Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water.

Section 7: HANDLING AND STORAGE

Handling: Keep away from heat, sparks and flame. Prevent contact with eyes. Avoid ingestion and inhalation.

Storage: Keep the container tightly closed and in a cool, well ventilated place.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Propylene Glycol (57-55-6)
AIHA: 10 mg/m³ TWA

Engineering Controls: Normal room ventilation is usually adequate under normal use.

Personal Protective Equipment (PPE)

Eye/Face Protection: None needed under normal use.

Skin Protection: None needed under normal use.

Respiratory Protection: None needed under normal use.

General Hygiene Considerations: None needed under normal use.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Color: Clear, colorless, liquid.

Odor: Fragrance free.

Physical State: Liquid

pH: 4.0 - 5.0

Vapor Density (Propylene Glycol): 2.62 (air=1)

Boiling Point (Propylene Glycol): 187.9 °C

Vapor Pressure: (Propylene Glycol) 0.11 hPa @ 20°C

Melting Point (Propylene Glycol): -60°C

Freezing Point: Not Available

Flash Point (see section 5)

Flammability Properties (see section 5)

Solubility (in water): Miscible

Specific Gravity @ 25°C: 1.004-1.008

Evaporation Rate: Not Available

Octanol/Water partition coefficient (Kow): Not Available

Auto-ignition temperature: Not Available

Decomposition temperature: Not Available

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal ambient temperatures 70°C (21°C)

Condition to Avoid: Incompatible materials, excessive heat or sources of ignition.

Hazardous Decomposition: upon decomposition, this product evolves carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, and/or low weight hydrocarbons.

Hazardous Reactions: Hazardous polymerization will not occur.

Section 11: TOXICOLOGY INFORMATION

ACUTE EFFECTS:**A: General Product information**

Not expected to cause irritation when used in accordance to label.

B: Analysis LD50/LC50**Propylene Glycol (57-55-6)**

Oral, rat: LD50 = 20000 mg/kg;

Dermal, Rabbit LD50 = 20800 mg/kg

CHRONIC EFFECTS:

Carcinogenicity: No information available for product.

Neurotoxicity: No information available for product.

Mutagenicity: No information available for product.

Reproductive: No information available for product.

Developmental: No information available for product.

Target Organs: No information available for product.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: (Propylene Glycol 57-55-6)

EC50 96 Hr. Selenastrum Capricornutum = 19000 mg/L

LC50 96 Hr. Oncorhynchus mykiss = 51600 mg/L [static]

LC50 Pimephales promelas = 51400 mg/L [static]

EC50 48 Hr. water flea > 10000 mg/L

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations.

Section 14: TRANSPORTATION INFORMATION

This material is not regulated as a hazardous material for transportation.

Section 15: REGULATORY INFORMATION

Propylene Glycol, a component if this material, is on the TSCA inventory.

The following components appear on one or more of the following state right to know lists:

Component	CAS#	CA	MA	MN	NJ	PA
Propylene Glycol	57-55-6	No	No	Yes	Yes	Yes

Section 16: Other Information

Prepared by: Vi-Jon Inc.

Disclaimer:

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